

**Work Order ID 151979**

Friday, October 14, 2016 1:56:28 PM

**\*151979\***

Page 1

Item ID: D4121-1

Revision ID:

Item Name: Hose Assembly

Start Date: 10/5/2016 Start Qty: 4.00

Required Date: 10/14/2016 Req'd Qty: 4.00

Reference:

Accept

**\*N900040100\***

Setup Start

**\*NS1\***

Stop

**\*NS2\***

Cust Item ID:

Customer:

Approvals: Process Plan:

DAS  
21  
9-89

Date:

OCT 17 2016

Tooling:

Date:

Run Start

**\*NR1\***

QC:

Date:

SPC (Y/N):

Date:

Stop

**\*NR2\***Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run Hours

Tool ID

Tool #

Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

Draw Nbr

Revision Nbr

D4121

D

100

**\*100\***

Purchasing

Purchasing

PURCHASING

Memo

Create D2729-1 label and include with W/O

Issue P/O: 34014

Hose Assembly as per Dwg D4121

Possible Supplier: API

Material release note is required

0.00

0.00

8

OCT 20 2016

DAS  
13  
9-89

110

**\*110\***

Packaging

Packaging

Receive &amp; Inspect for Damage &amp; Mat'l Certs

Memo

Ensure Material Release Note is attached

0.00

0.01

8x 8/16-10-27

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Item ID: D4121-1      Accept      **\*N900040100\***      Setup Start **\*NS1\***  
Revision ID:      Stop **\*NS2\***  
Item Name: Hose Assembly  
Start Date: 10/5/2016      Start Qty: 4.00      **\*4\***      Cust Item ID:  
Required Date: 10/14/2016      Req'd Qty: 4.00      **\*4\***      Customer:  
Reference:

Approvals:      Process Plan:      Date:      Tooling:      Date:      Run Start **\*NR1\***  
QC:      Date:      SPC (Y/N):      Date:      Stop **\*NR2\***

| Sequence ID/<br>Work Center ID                             | Operation<br>Description                                                                                          | Set Up/<br>Run Hours | Tool ID | Tool # | Plan<br>Code | Accept<br>Qty | Reject<br>Qty | Reject<br>Number | Insp.<br>Stamp                    |
|------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|----------------------|---------|--------|--------------|---------------|---------------|------------------|-----------------------------------|
| 120<br><b>*120*</b><br>QC<br>Quality Control               | QC6- Inspect dimensions to drawing<br><br>Memo                                                                    | 0.00<br><br>0.00     |         |        |              | <u>8</u>      |               |                  | DAS<br>38<br>9-88<br>OCT 3 1 2016 |
| 130<br><b>*130*</b><br>Small Fab<br>Small Fab<br>Small Fab | Small Fab<br><br>Memo<br>Install D2729-1 as per Dwg D4121<br>using D2182-045 Heat Shrink<br>Batch: <u>B112922</u> | 0.00<br><br>0.06     |         |        |              | <u>8</u>      | <u>FF</u>     |                  | OCT 3 1 2016                      |
| 140<br><b>*140*</b><br>QC<br>Quality Control               | QC5- Inspect part completeness to step on W/O<br><br>Memo                                                         | 0.00<br><br>0.01     |         |        |              | <u>8</u>      |               |                  | DAS<br>38<br>9-88<br>OCT 3 1 2016 |

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**\*151979\***

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Item ID: D4121-1 Accept **\*N900040100\*** Setup Start **\*NS1\***  
Revision ID: Stop **\*NS2\***  
Item Name: Hose Assembly  
Start Date: 10/5/2016 Start Qty: 4.00 **\*4\*** Cust Item ID:  
Required Date: 10/14/2016 Req'd Qty: 4.00 **\*4\*** Customer:  
Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_ Run Start **\*NR1\***  
QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_ Stop **\*NR2\***

| Sequence ID/<br>Work Center ID | Operation<br>Description                          | Set Up/<br>Run Hours | Tool ID | Tool # | Plan<br>Code | Accept<br>Qty | Reject<br>Qty | Reject<br>Number | Insp.<br>Stamp    |
|--------------------------------|---------------------------------------------------|----------------------|---------|--------|--------------|---------------|---------------|------------------|-------------------|
| 150                            | Identify as per dwg & Stock Location: <u>3213</u> | 0.00                 |         |        |              |               |               |                  |                   |
| <b>*150*</b>                   |                                                   |                      |         |        |              |               |               |                  |                   |
| Packaging                      | Memo                                              | 0.01                 |         |        |              |               |               |                  | DAS<br>6<br>9-89  |
| Packaging                      |                                                   |                      |         |        |              |               |               |                  |                   |
| 160                            | QC21- Final Inspection - Work Order Release       | 0.00                 |         |        |              |               |               |                  |                   |
| <b>*160*</b>                   |                                                   |                      |         |        |              |               |               |                  | DAS<br>21<br>9-89 |
| QC                             | Memo                                              | 0.07                 |         |        |              |               |               |                  | NOV 01 2016       |
| Quality Control                |                                                   |                      |         |        |              |               |               |                  |                   |

16.11.01

# Picklist Print

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Work Order ID: 151979

**\*151979\***

Parent Item: D4121-1

**\*D4121-1\***

Parent Item Name: Hose Assembly

Start Date: 10/5/2016

Required Date: 10/14/2016

Start Qty: 4.00

Required Qty: 4.00

Comments: IPP REV:A NEW ISSUE 10-10-05 JLM VERIFIED BY:DD IPP  
REV:B AS PER ECN 11-598 11-06-05 JLM VERF:DD IPP REV:C  
11.11.16 AS PER DWG REV.D DD VERF:EC

| Component Item ID/<br>Item Name                          | Replacement<br>Item ID | Mfg/<br>Purch | Bin<br>Item | Primary<br>Location | Last<br>Location | Route<br>Seq ID | Unit of<br>Measure | Qty on<br>Hand | Qty per Kit | Total<br>Qty | Qty<br>Issued | Date<br>Issued | Status |
|----------------------------------------------------------|------------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|----------------|-------------|--------------|---------------|----------------|--------|
| 156003-6D0274<br><b>*156003-6D0274*</b><br>Hose Assembly |                        | Purchased     |             | No                  |                  | 110             | Each               | 0.0000         | 1           | 48           |               |                |        |
| D2182-045<br><b>*D2182-045*</b><br>Heat Shrink 4.5" Long |                        | Manufactured  |             | No                  |                  | 130             | Each               | 0.0000         | 1           | 48           |               |                |        |
| D2729-1<br><b>*D2729-1*</b><br>Part Id Label (Re-Issue)  |                        | Manufactured  |             | Yes                 |                  | 130             | Each               | 0.0000         | 1           | 48           |               |                |        |

B112922

Not Pulled  
Not in system

8X 8016-10-27

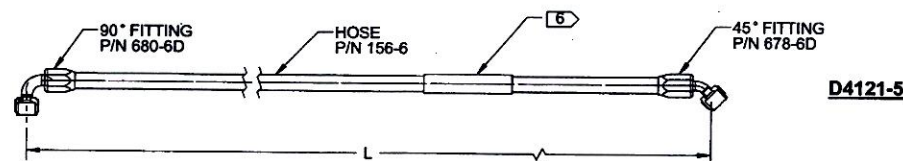
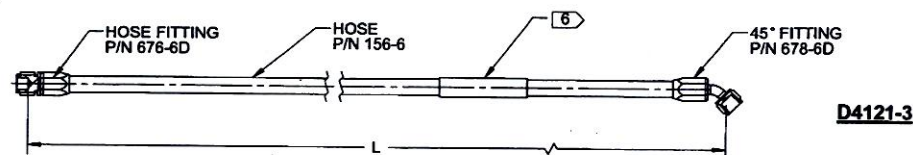
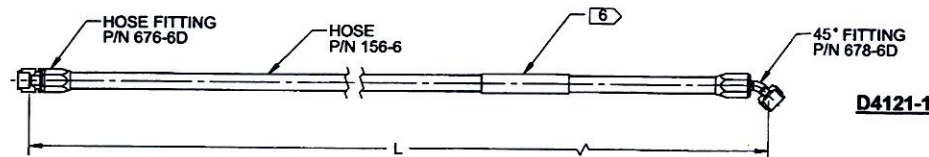
8 FF OCT 31 2016

FF OCT-31-16



8 7 6 5 4 3 2 1

| HOSE SPECIFICATION |                 |            |        |
|--------------------|-----------------|------------|--------|
| DART P/N           | STRATOFLEX P/N  | VENDOR     | L      |
| D4121-1            | 156003-6D0274   | API/ AVIAL | 27.50  |
| D4121-3            | 156003-6D0590   | API/ AVIAL | 59.00  |
| D4121-5            | 156062D1054D000 | API/ AVIAL | 105.50 |



SHOP COPY  
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SUBJECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER

NO. 151979 ML5  
16-10-17

RELEASED  
2011-11-16  
MP

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N & B/N USING D2729-1 LABEL INSTALLED WITH D2182-045 HEAT SHRINK
- 7) WEIGHT: N/A
- 8) STAINLESS STEEL COVERING TO HAVE MINIMUM THICKNESS OF 0.015"

|            |                                                                                                                                                                       |                                                                                                                                                                                                                                                                                     |              |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| D          | P/N 156003-6D0590 WAS 156003-6D0570 (ZN D2-1)                                                                                                                         | RF                                                                                                                                                                                                                                                                                  | 11.11.14     |
| C          | ADD P/N 156062D1054D000 TO D4121-5                                                                                                                                    | RF                                                                                                                                                                                                                                                                                  | 11.07.27     |
| B          | P/N 676-6D WAS P/N 678-6S (ZN C4-1, B4-1); P/N 678-6D WAS 676-6S (ZN D8-1, C8-1); P/N 680-6D WAS P/N 680-6S (ZN B8-1); UPDATE STRATOFLEX P/N (ZN C2-1); UPDATE NOTE 8 | RF                                                                                                                                                                                                                                                                                  | 11.03.07     |
| A          | NEW ISSUE                                                                                                                                                             | RF                                                                                                                                                                                                                                                                                  | 10.09.16     |
| REV.       | DESCRIPTION                                                                                                                                                           | BY                                                                                                                                                                                                                                                                                  | DATE         |
| DESIGN     | RF                                                                                                                                                                    | DART AEROSPACE USA, INC.<br>KENT, WA                                                                                                                                                                                                                                                |              |
| DRAWN      | RF                                                                                                                                                                    |                                                                                                                                                                                                                                                                                     |              |
| CHECKED    | RF                                                                                                                                                                    | DRAWING NO.                                                                                                                                                                                                                                                                         | REV. D       |
| MFG. APPR. | RF                                                                                                                                                                    | D4121                                                                                                                                                                                                                                                                               | SHEET 1 OF 1 |
| APPROVED   | RF                                                                                                                                                                    | TITLE                                                                                                                                                                                                                                                                               | SCALE        |
| DE APPR.   | RF                                                                                                                                                                    | HOSE ASSEMBLIES                                                                                                                                                                                                                                                                     | NTS          |
| DATE       | 11.11.14                                                                                                                                                              | COPYRIGHT © 2010 BY DART AEROSPACE USA, INC.<br>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC. |              |



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

# PURCHASE ORDER

Purchase Order ID **PO34014**

Purchase Order Date 10/20/2016

PO Print Date 10/20/2016

Page Number 4 of 6

er From :

VU-AVI003

Ship To : DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

AVIALL  
PO BOX 842275

DALLAS, TX 75284-2275  
USA

Contact Name

Vendor Phone

905-676-1695

Buyer

Customer POID

Customer Tax #

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 30

USD

EXW - (Ex Works)

Ship To Contact

Ship To Phone

Ship Via:

Ship Acct:

FedEx Overnight collect

Line Total:

\$84.00

11 MS35207-263

Screw

10/26/2016 FN

Yes

10/26/2016

100.00

Each

\$0.03

\$3.00

Line Total:

\$3.00

12 NAS1149C0363R

Washer

10/26/2016 FN

Yes

10/26/2016

200.00

Each

\$0.10

\$20.00

Line Total:

\$20.00

13 156003-6D0274

Hose Assembly

10/26/2016

Yes

10/26/2016

8.00

Each

\$202.60

\$1,620.80

AS PER DWG D4121 REV. D  
B151979

PO Instructions: Fedex Acc#151793240

Note:

10/20/2016



**Hose Shop 2755 Regent Blvd. DFW Airport 75261**  
Phone 972-586-1380 Fax 972-586-1381 www.aviall.com

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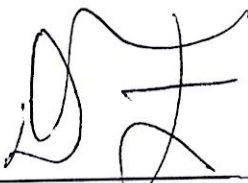
## TSO CERTIFICATION

It is hereby certified that (A) The parts and/or materials reflected herein were produced under Federal Aviation Administration approved manufacturing and quality control system/methods as set forth in the FAA issued technical standard order authorizations (TSOA) issued to Stratoflex and (B) such part and/or materials are new and are in condition for safe operation.  
Aviall Order Number: 1002570311

Part Numbers:

1. 156062D1054D000 4EA.
2. 156003-6D0590 4EA.
3. 156003-6D0274 8EA.

*SP/16-10-27*

Signed: 

Date: 10-24-16

"Aviall is not providing OEM parts. Aviall is an authorized Stratoflex distributor providing TSO assemblies. Numbers referenced per customer requirements are for customer reference ONLY and are in no way intended to be represented as OEM parts. Any reference to an OEM part number does not authorize or reflect installation authority for this part. The installation authority is provided by the mechanic installing this product in accordance with FAR Part 43".

If applicable, satisfactory compliance with the conditions and tests required for TSO approval indicates the hose assembly has met the minimum performance standards as stated in the TSO. Furthermore, it is the responsibility of the installer to determine the installation eligibility and that it will not cause the hose assembly to be subjected to conditions in excess of those for which it has been approved.

FORM# CERT -001